

WISCONSIN ROBIN
WR-W1-450VPM
REV DATE: 01-92

Engine Model W1-450V

Standard Specification 800443, 800468, 800841
and 800848

Introduction

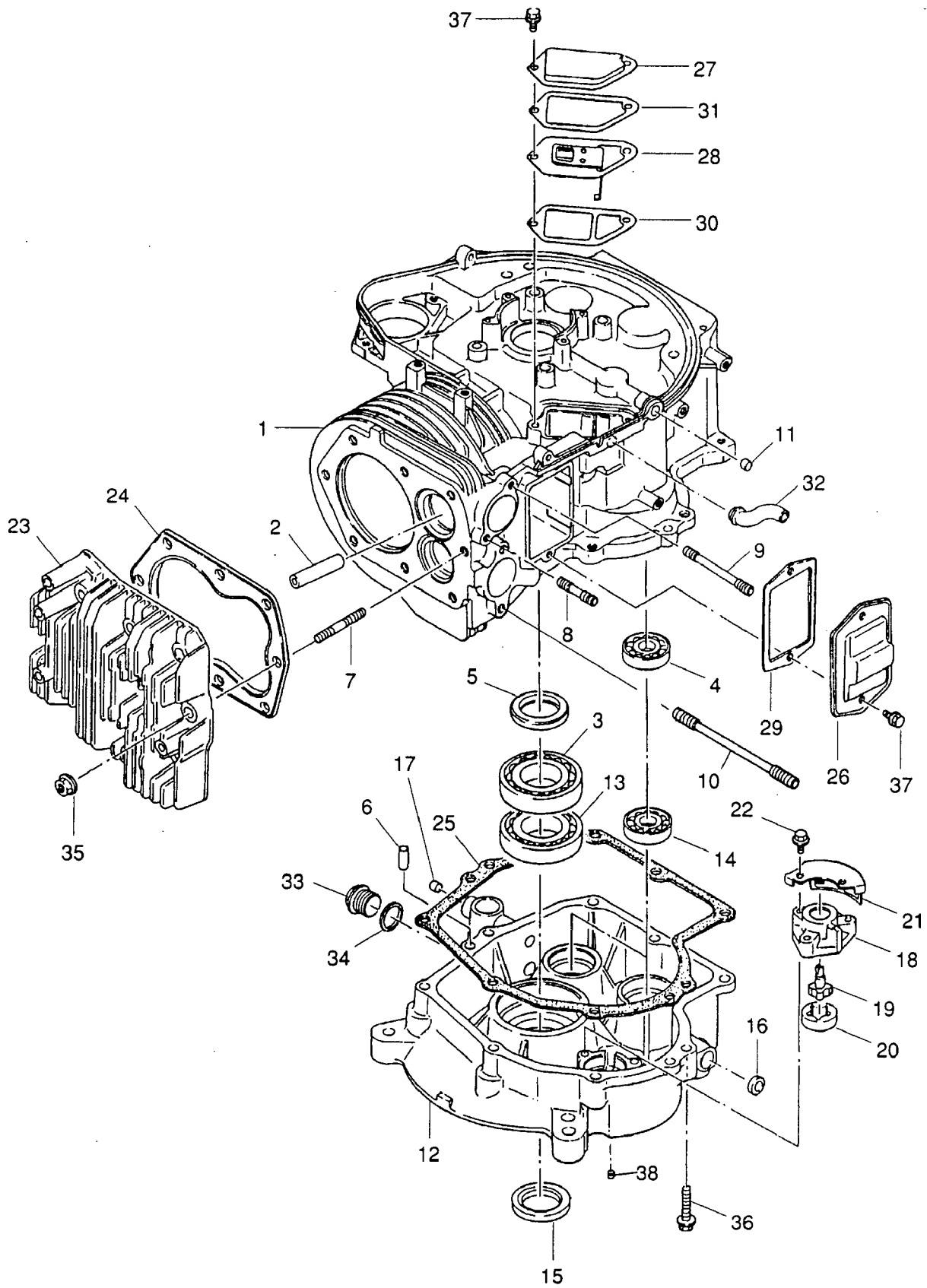
This catalog is designed to identify **Wisconsin Robin** parts.

When ordering parts, it is always advisable to list the engine model, specification number and serial number. With this information, we can check your order for any incorrect part numbers. Use your Service Parts List to ensure proper part number and nomenclature identification.

TELEDYNE TOTAL POWER reserves the right to modify, alter and improve engines and parts. Part numbers and the structure of parts may change from those shown in this catalog.

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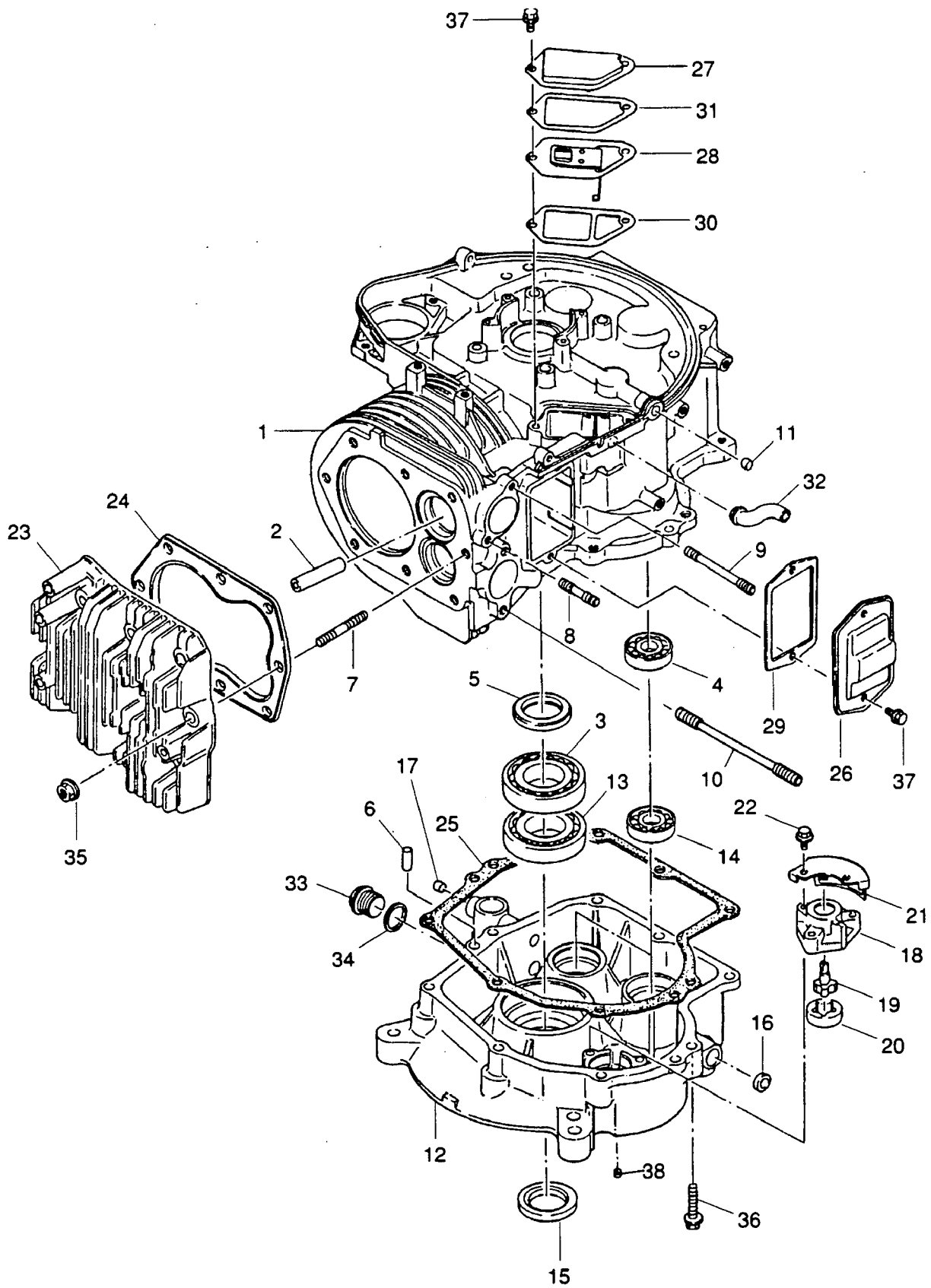
Crankcase and Related Parts

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 10103 01	Crankcase (includes 2 - 10)	1
—	EY235 10101 01	Crankcase [spec 800443]	1
2	EY224 14202 03	Valve guide	2
3	EY060 03500 10	Ball bearing	1
4	EY060 01700 30	Ball bearing	2
5	EY044 03500 90	Oil seal	1
6	EY005 26081 80	Dowel pin	2
7	EY010 51002 70	Stud	8
8	EY010 50803 00	Stud	1
9	EY010 50803 20	Stud	1
10	EY010 50803 30	Stud [spec 800443]	2
11	EY235 15401 03	Plug, crankcase	1
12	EY235 10901 11	Gear cover [specs 800443, 800468]	1
—	EY235 10901 21	Gear cover [specs 800841, 800848]	1
13	EY060 03500 10	Ball bearing	1
14	EY060 01700 30	Ball bearing	2
15	EY044 03500 90	Oil seal	1
16	EY044 00800 20	Oil seal	1
17	EY235 15411 03	Plug, gear cover	1
18	EY235 15201 13	Holder, camshaft	1
19	EY235 63901 11	Oil pump, inner	1

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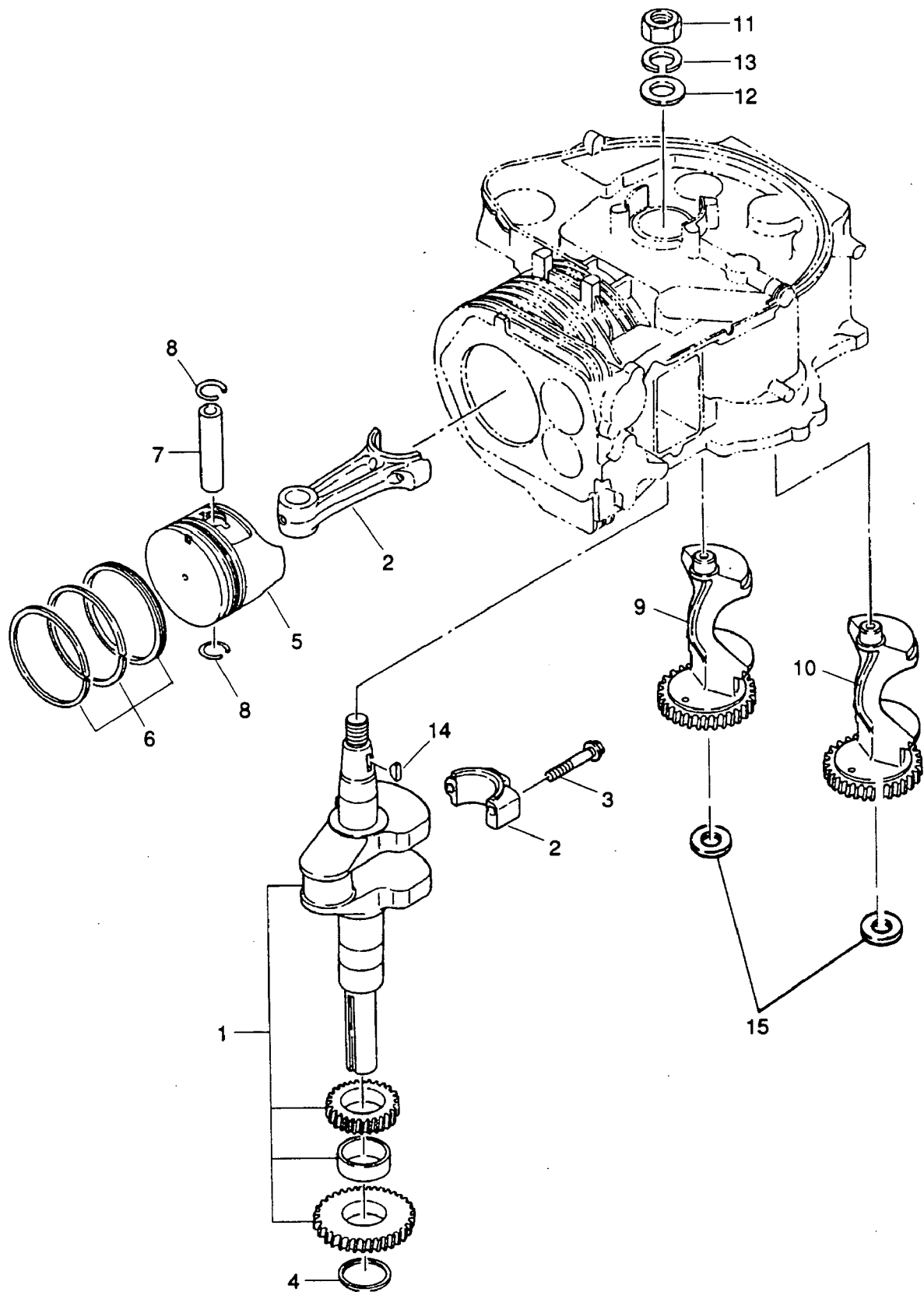
*Nelson muffler
used on Snapper
- TTP Part Number*

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Crankcase and Related Parts (cont.)

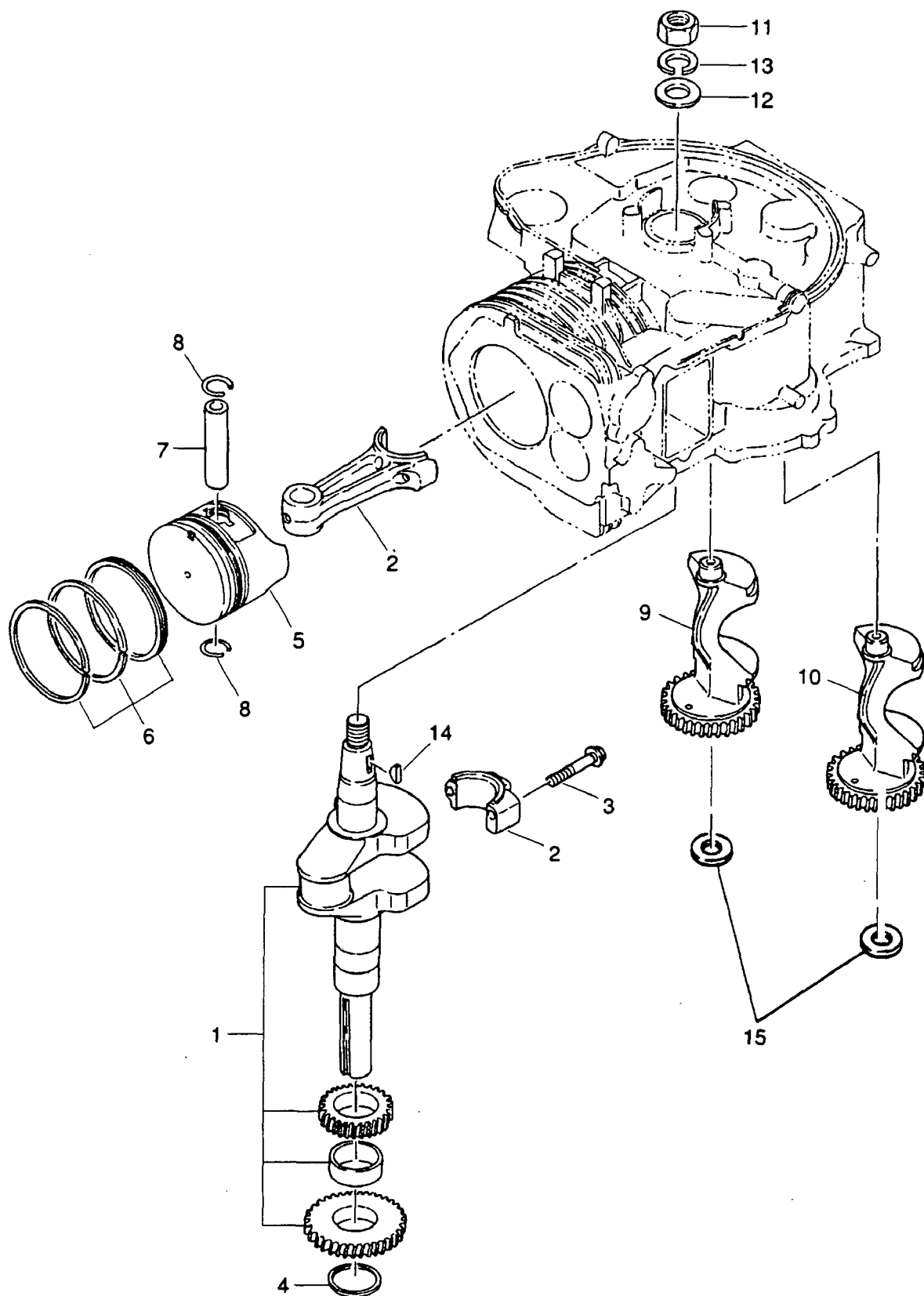
ITEM NO.	PART NO.	DESCRIPTION	QTY.
20	EY228 63902 03	Oil pump, inner	1
21	EY235 64301 11	Oil filter	1
22	EY011 00601 60	Flange bolt	3
23	EY235 13101 03	Cylinder head	1
24	EY235 15001 01	Gasket, cylinder head	1
25	EY235 15101 03	Gasket, gear cover	1
26	EY235 14301 01	Tappet cover	1
27	EY235 14601 03	Breather cover	1
28	EY235 14401 01	Breather plate	1
29	EY235 15111 03	Gasket, tappet cover	1
30	EY235 15121 03	Gasket, breather cover	1
31	EY235 15131 03	Gasket, breather	1
32	EY235 15301 03	Rubber hose	1
33	EY040 12000 10	Plug	1
34	EY021 12000 10	Gasket	1
35	EY002 38100 00	Flange nut	8
36	EY011 00800 90	Flange bolt	8
37	EY011 00600 20	Flange bolt	4
38	EY235 15421 03	Blind plug [specs 800443, 800468]	1
—	EY235 99005 07	Engine gasket set	1



Crankshaft Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 20101 01	Crankshaft [specs 800443, 800468]	1
—	EY235 20102 01	Crankshaft [spec 800841]	1
—	EY235 20111 01	Crankshaft [spec 800848]	1
2	EY235 22501 20	Connecting rod assembly	1
3	EY235 23001 03	Bolt, connecting rod	2
4	EY023 03500 10	*Spacer (.041")	1
—	EY023 03500 60	Spacer (.047")	1
—	EY023 03500 70	Spacer (.053")	1
5	EY235 23401 03	Piston, standard [specs 800443, 800468]	1
—	EY235 23411 03	Piston, standard [specs 800841, 800848]	1
—	EY235 23402 03	Piston, oversize (.010") [specs 800443, 800468]	1
—	EY235 23412 03	Piston, oversize (.010") [specs 800841, 800848]	1
—	EY235 23403 03	Piston, oversize (.020") [specs 800443, 800468]	1
—	EY235 23413 03	Piston, oversize (.020") [specs 800841, 800848]	1
6	EY209 23514 17	Piston ring set, standard [specs 800443, 800468]	1
—	EY235 23501 07	Piston ring set, standard [specs 800841, 800848]	1
—	EY209 23515 17	Piston ring set, oversize (.010") [specs 800443, 800468]	1
—	EY235 23502 07	Piston ring set, oversize (.010") [specs 800841, 800848]	1

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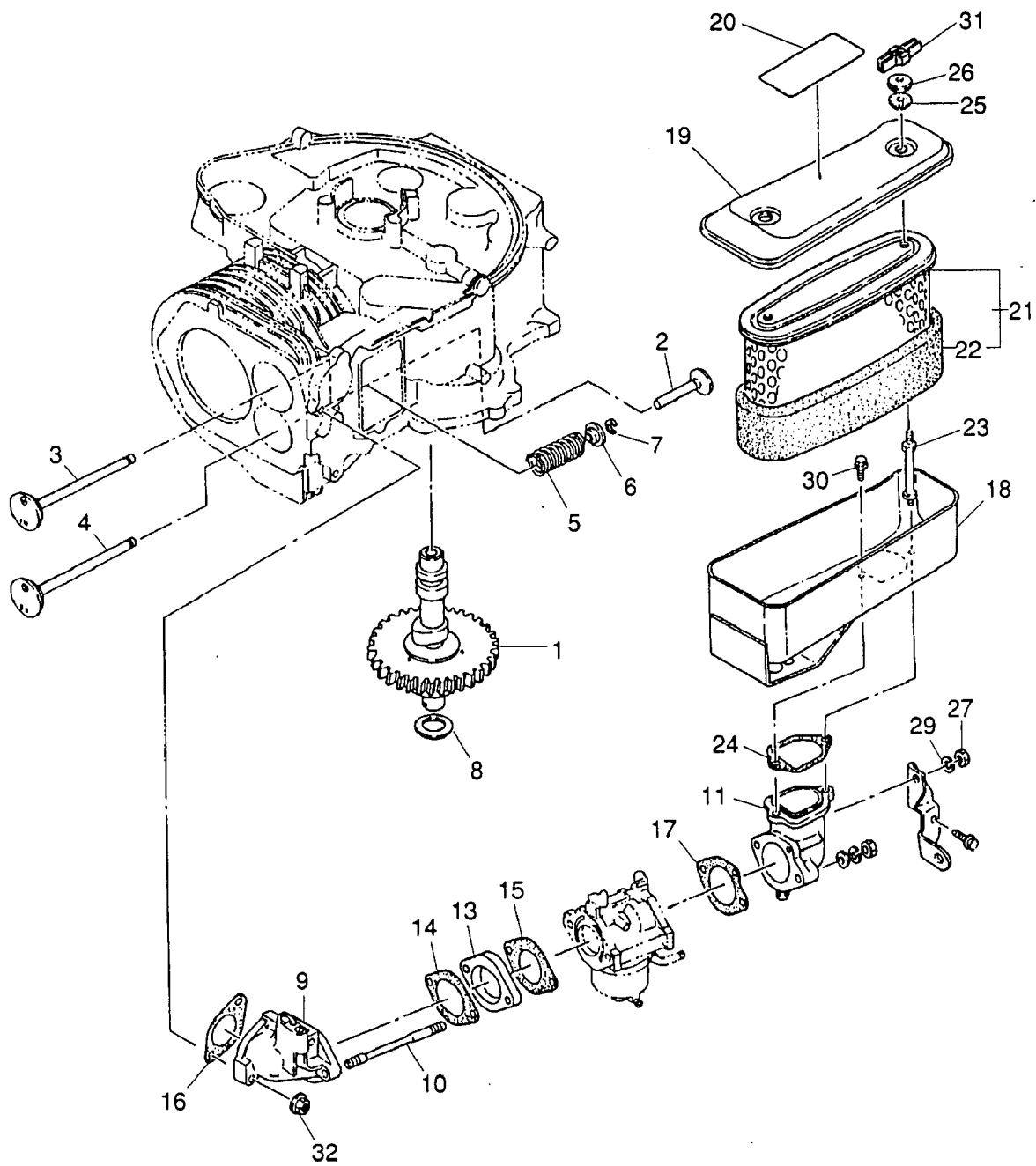


Crankshaft Assembly (cont.)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
6 (cont.)			
—	EY209 23516 17	Piston ring set, oversize (.020") [specs 800443, 800468]	1
—	EY235 23503 07	Piston ring set, oversize (.020") [specs 800841, 800848]	1
7	EY209 23301 13	Piston pin [spec 800443, 800468]	1
—	EY235 23301 03	Piston pin [spec 800841, 800848]	1
8	EY056 52200 11	Clip	2
9	EY235 24301 01	Balancer 1 [spec 800443, 800468]	1
—	EY235 24302 01	Balancer 1 [spec 800841, 800848]	1
10	EY235 24311 01	Balancer 2 [spec 800443, 800468]	1
—	EY235 24312 01	Balancer 2 [spec 800841, 800848]	1
11	EY002 18180 00	Nut	1
12	EY003 10180 00	Washer	1
13	EY003 20180 00	Spring washer	1
14	EY005 32054 01	Woodruff key	1
15	EY023 01800 10	**Spacer, .0079" [spec 800468]	2
—	EY023 01800 20	**Spacer, .0118"	—
—	EY023 01800 30	**Spacer, .0157"	—
—	EY023 01800 40	**Spacer, .0197"	—

*Select one piece only.

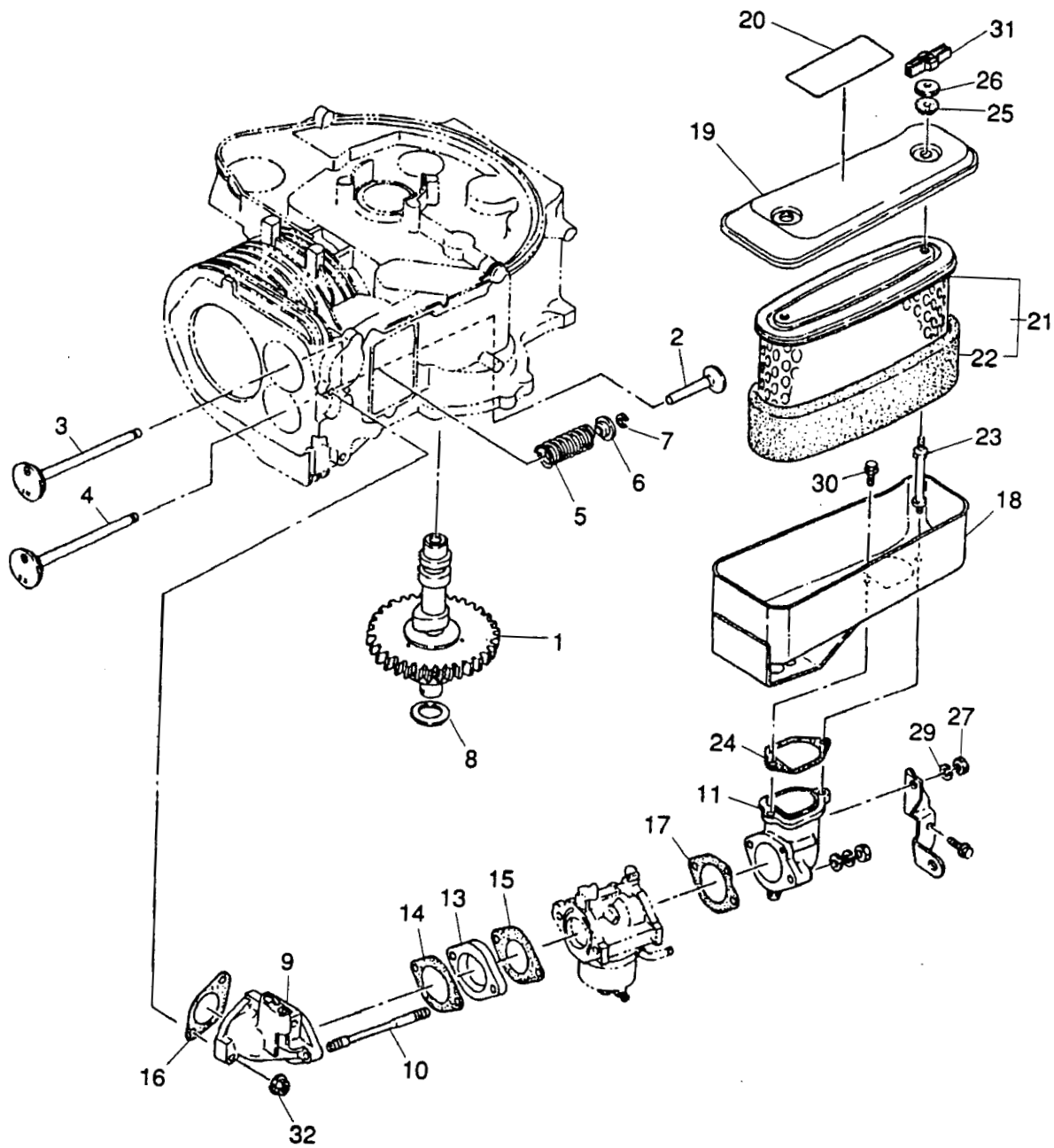
**Select two pieces only for spec 800468.



Camshaft, Manifold and Air Cleaner

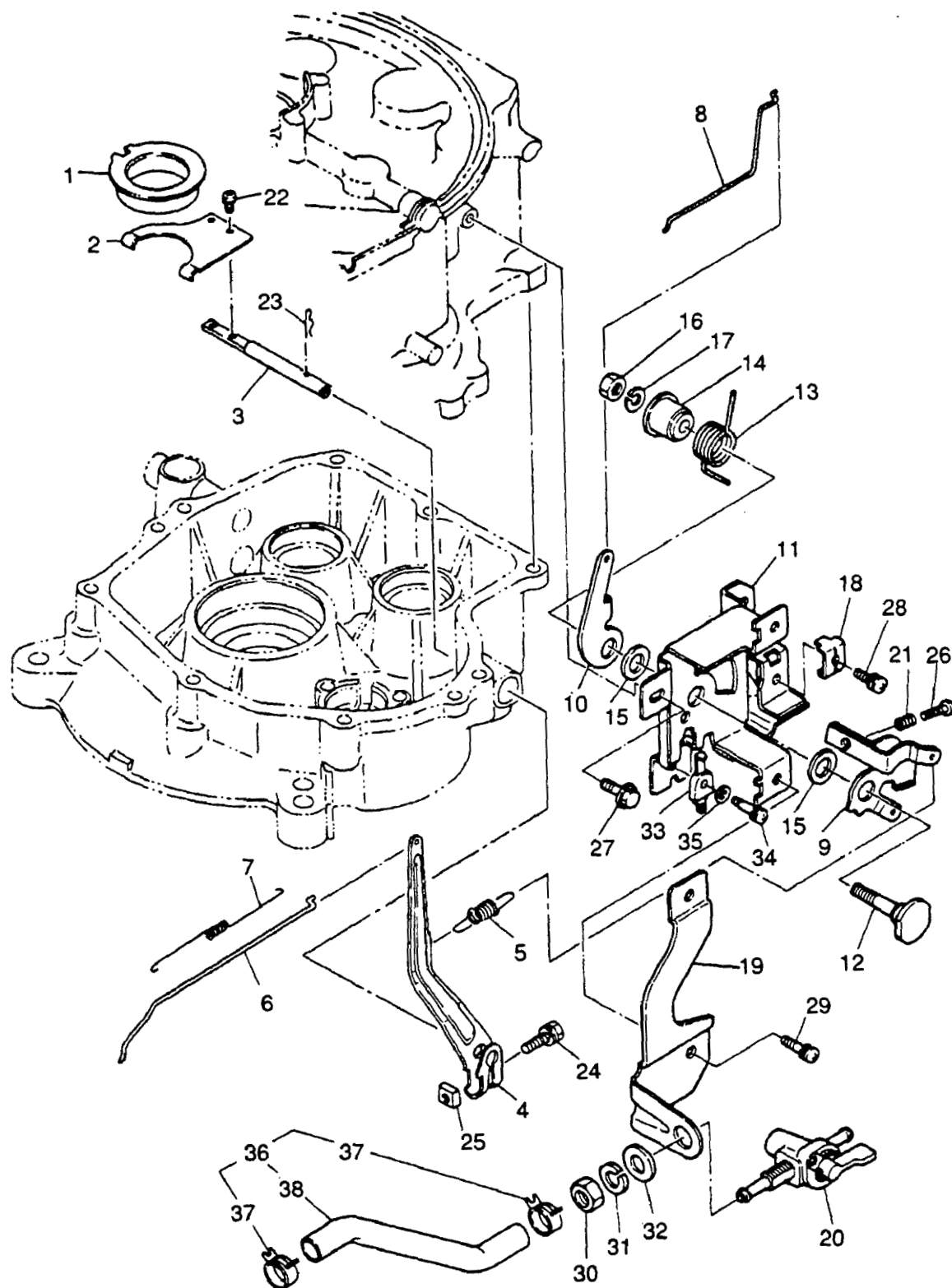
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 31701 01	Camshaft [specs 800443, 800468, 800841]	1
—	EY235 31711 01	Camshaft [spec 800848]	1
2	EY235 33301 03	Tappet	2
3	EY224 33401 03	Intake valve	1
4	EY224 33501 03	Exhaust valve	1
5	EY208 33601 13	Valve spring	2
6	EY208 33701 03	Spring retainer	2
7	EY217 33801 03	Retainer lock	2
8	EY023 02001 80	*Spacer (.037")	1
—	EY023 02001 30	Spacer (.041")	
—	EY023 02001 60	Spacer (.045")	
—	EY023 02001 70	Spacer (.049")	
—	EY023 02001 50	Spacer (.053")	
9	EY235 33101 11	Intake manifold (includes item 10)	1
10	EY010 50803 80	Stud intake manifold	2
11	EY235 35101 13	Elbow [specs 800443, 800468]	1
—	EY235 35102 03	Elbow [specs 800841, 800848]	1
12	EY235 35201 01	Support elbow	1
13	EY235 32901 03	Insulator	1
14	EY235 34841 03	Gasket insulator	1
15	EY235 34851 03	Gasket insulator	1
16	EY235 34811 03	Gasket manifold	1

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Camshaft, Manifold and Air Cleaner (cont.)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
17	EY235 34821 03	Gasket, elbow [specs 800443, 800468]	1
—	EY235 34822 03	Gasket, elbow [specs 800841, 800848]	1
—	EY235 34701 07	Air cleaner assembly (includes 18 - 26, 30, 32)	1
18	EY235 32801 21	Case, air cleaner	1
19	EY235 32811 11	Cover, air cleaner	1
20	EY073 20033 41	Label, air cleaner	1
21	EY235 34701 21	Element, air cleaner (includes item 22)	1
22	EY235 32610 08	Element, outer	1
23	EY235 35301 11	Bolt	2
24	EY235 34831 13	Gasket, air cleaner case	1
25	EY024 10600 90	Grommet	2
26	EY212 32650 08	Washer	2
27	EY002 27080 00	Nut	2
28	EY003 10080 00	Washer	1
29	EY003 20080 00	Spring washer	4
30	EY011 00600 20	Flange bolt	2
31	EY017 80600 40	Wing nut	2
32	EY002 38080 00	Flange nut	2

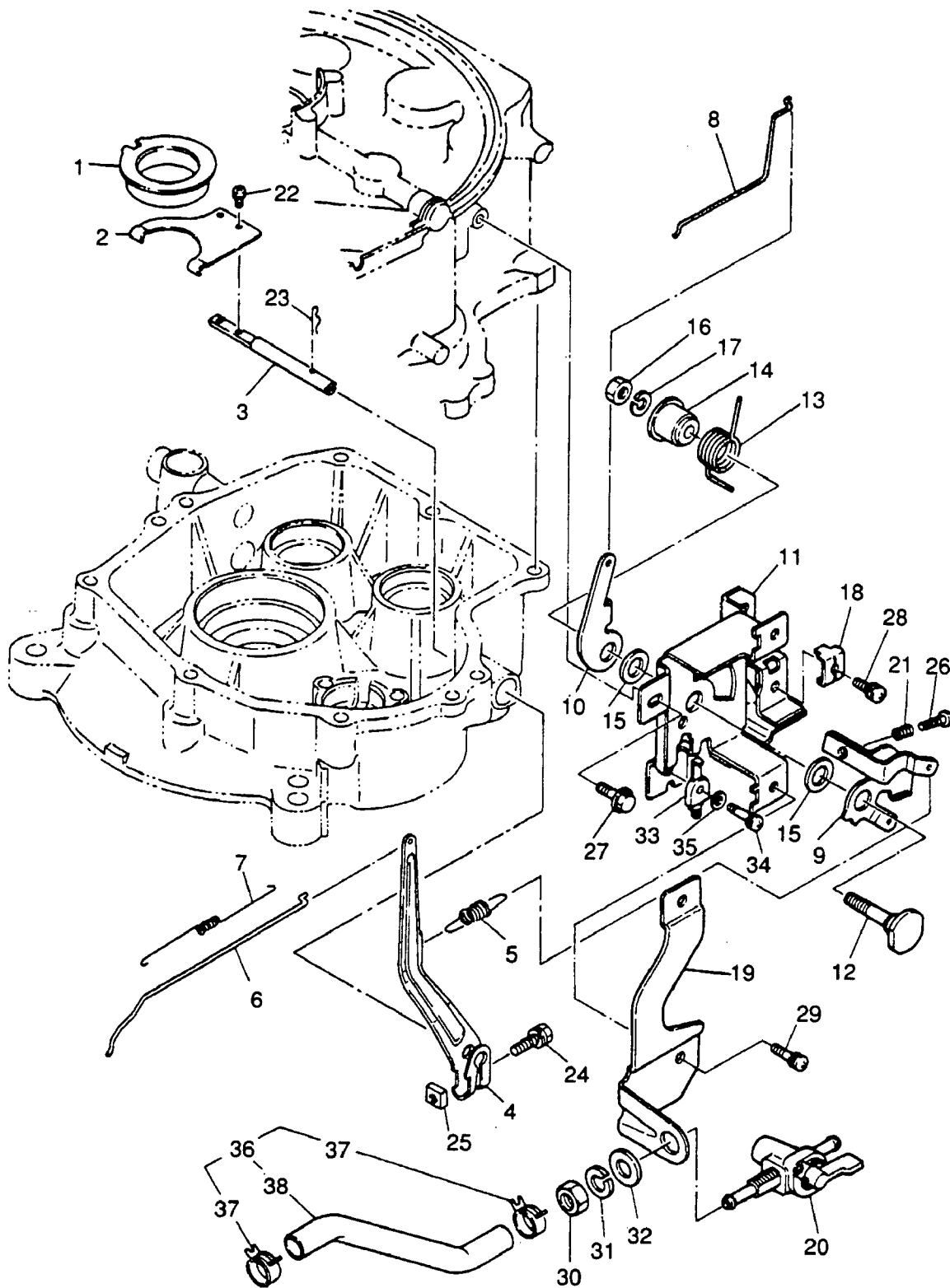


Governor and Speed Control (Specs 800443, 800468)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY224 41901 03	Governor sleeve	1
2	EY235 42101 03	Governor yoke	1
3	EY235 42201 03	Governor shaft	1
4		Governor lever	1
5	EY235 42504 03	Governor spring	1
6	EY235 42701 01	Governor rod	1
7	EY235 42801 03	Rod spring	1
8	EY235 43702 01	Choke rod	1
—	EY235 43304 00	Speed control assembly (includes 9 - 17)	1
9	EY235 43303 01	Speed control	1
10	EY235 43803 01	Choke lever	1
11	EY235 44303 11	Bracket	1
12	EY235 44411 01	Pivot bolt	1
13	EY235 44503 03	Return spring	1
14	EY235 44421 01	Pivot bolt	1
15	EY020 01201 20	Washer	2
16	EY002 17060 00	Nut	1
17	EY003 20050 00	Spring washer	1
18	EY235 43901 01	Clamp	1
19	EY235 44602 01	Plate, speed control	1
20	EY235 64601 20	Fuel valve	1
21	EY230 49003 01	Adjusting spring	1
22	EY004 35040 80	Screw and washer assembly	2
23	EY005 11080 00	Snap pin	1
24	EY001 14062 50	Bolt and washer assembly	1
25	EY018 60600 20	Nut	1

 Not serviced separately.

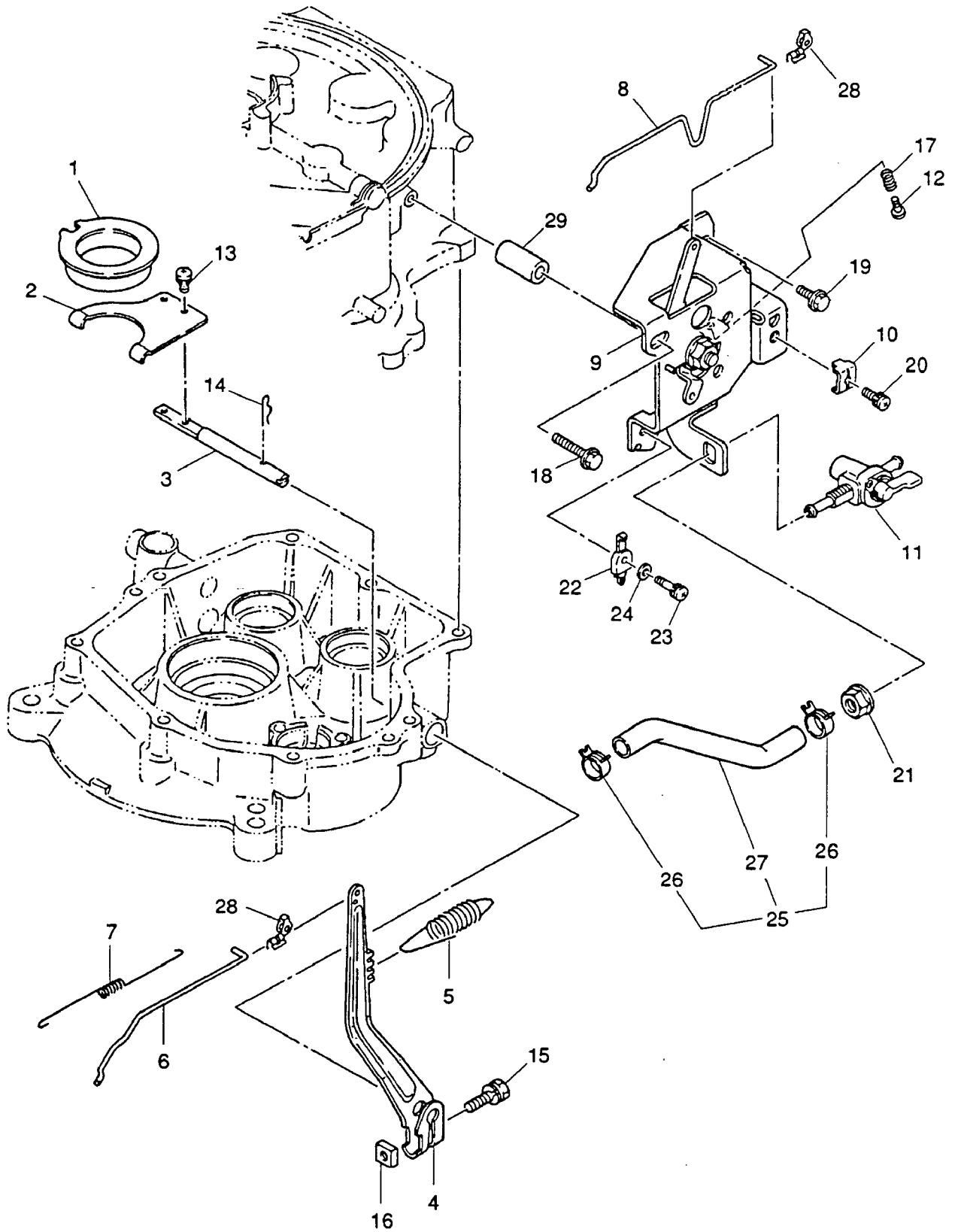
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Governor and Speed Control (Specs 800443, 800468) [cont.]

ITEM NO.	PART NO.	DESCRIPTION	QTY.
26	EY004 31041 60	Screw, panhead	1
27	EY011 00600 20	Flange bolt	2
28	EY004 36051 60	Screw and washer assembly	1
29	EY004 36051 20	Screw and washer assembly	2
30	EY002 27100 00	Nut	1
31	EY003 20100 00	Spring washer	1
32	EY003 10100 00	Washer	1
33	EY226 72704 13	Stop switch	1
34	EY004 35041 20	Screw and washer assembly	1
35	EY003 11040 00	Washer	1
36	EY232 62607 01	Fuel line (includes 37 and 38)	1
37	EY056 11100 20	Clamp, hose	2
38	_____	Hose	1
—	EY235 43303 07	Governor control lever kit (includes 4, 24 and 25)	1
—	EY235 43304 07	Governor rod and spring set (includes 5 - 8)	1

Not serviced separately.

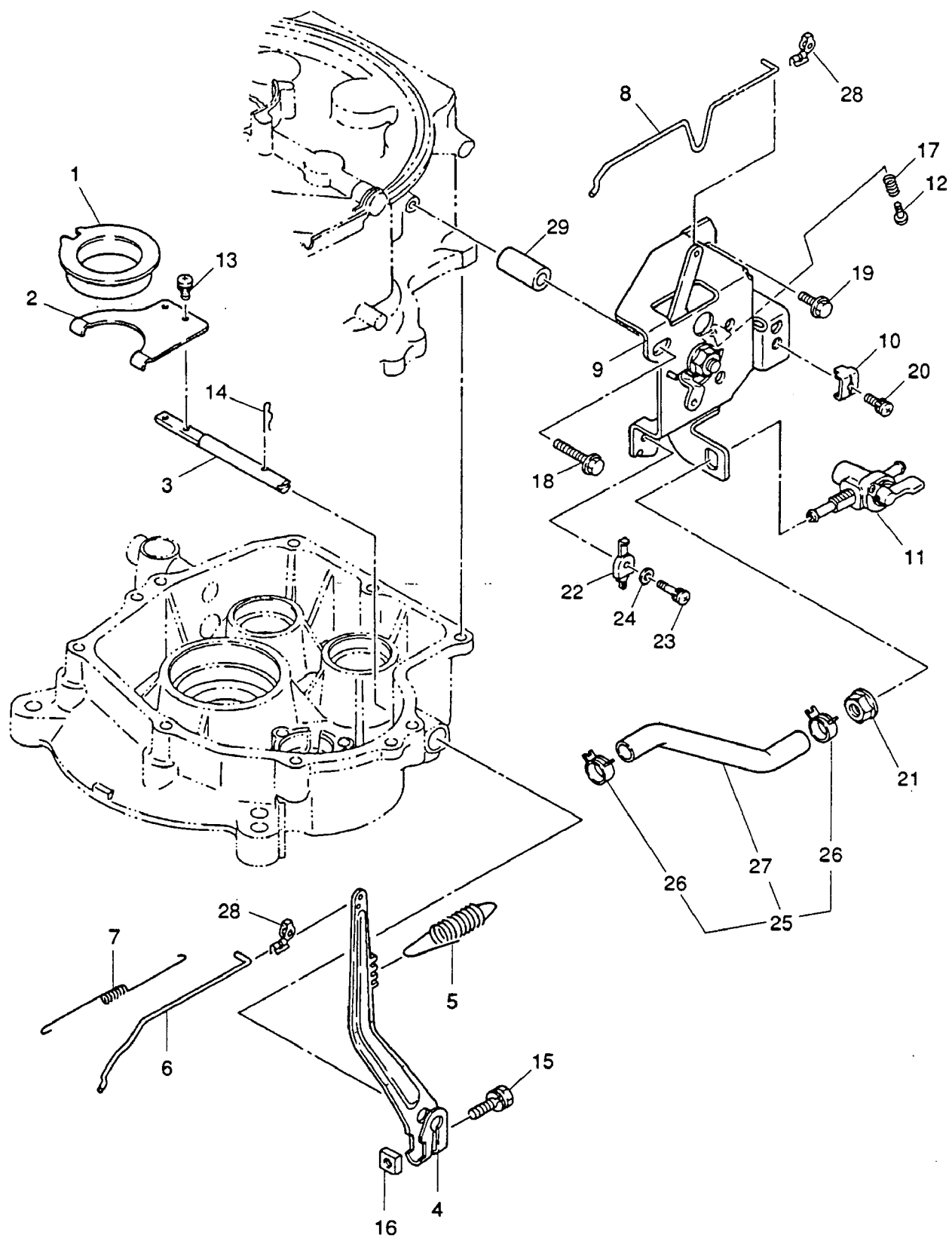


Governor and Speed Control (Specs 800841, 800848)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY224 41901 03	Governor sleeve	1
2	EY235 42101 03	Governor yoke	1
3	EY235 42201 03	Governor shaft	1
4	_____	Governor lever	1
5	EY235 42505 03	Governor spring	1
6	EY235 42702 01	Governor rod	1
7	EY235 42801 03	Rod spring	1
8	EY235 43703 01	Choke rod	1
9	EY235 43401 00	Speed control assembly	1
10	EY235 43901 01	Clamp	1
11	EY235 64601 20	Fuel valve	1
12	EY230 49003 01	Spring, adjusting	1
13	EY004 35040 80	Screw and washer assembly	2
14	EY005 11080 00	Snap pin	1
15	EY001 14062 50	Bolt and washer assembly	1
16	EY018 60600 20	Nut	1
17	EY004 31041 60	Screw, panhead	1
18	EY011 00601 70	Flange bolt	1
19	EY011 00600 20	Flange bolt	1
20	EY001 17052 00	Bolt	1
21	EY002 38100 00	Flange nut	1
22	EY226 72704 13	Stop switch	1
23	EY004 35041 20	Screw and washer assembly	1

Not serviced separately.

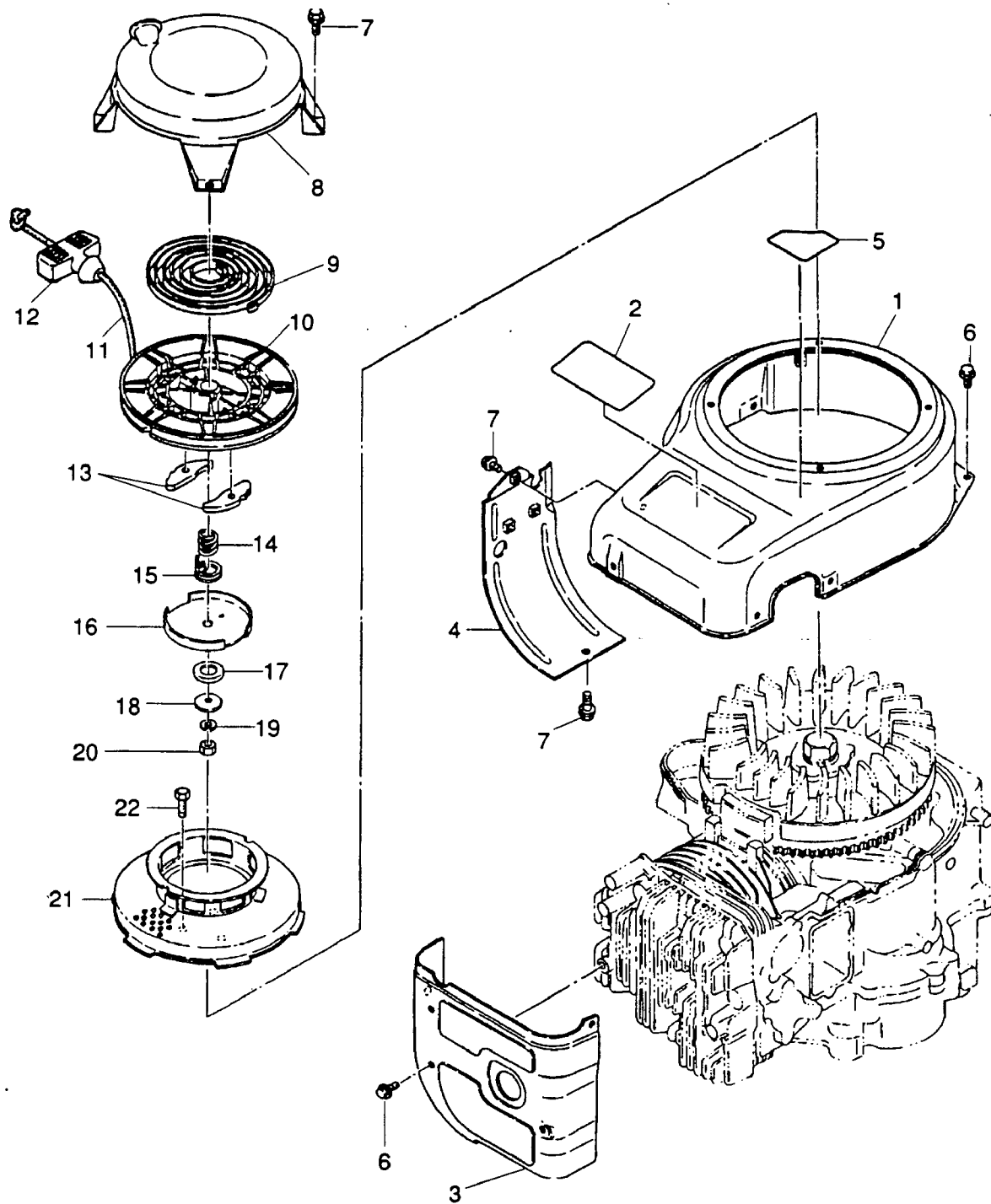
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Governor and Speed Control (Specs 800841, 800848) [cont.]

ITEM NO.	PART NO.	DESCRIPTION	QTY.
24	EY003 11040 00	Washer	1
25	EY232 62607 01	Fuel line assembly (includes 26 and 27)	1
26	EY056 11100 20	Clamp, hose	2
27		Rubber hose	1
28	EY235 44701 03	Holder, rod	2
29	EY023 00602 50	Spacer	1
—	EY235 43307 07	Governor lever kit (includes 4, 15 and 16)	1
—	EY235 43308 07	Governor rod and spring set (includes 5 - 8)	1

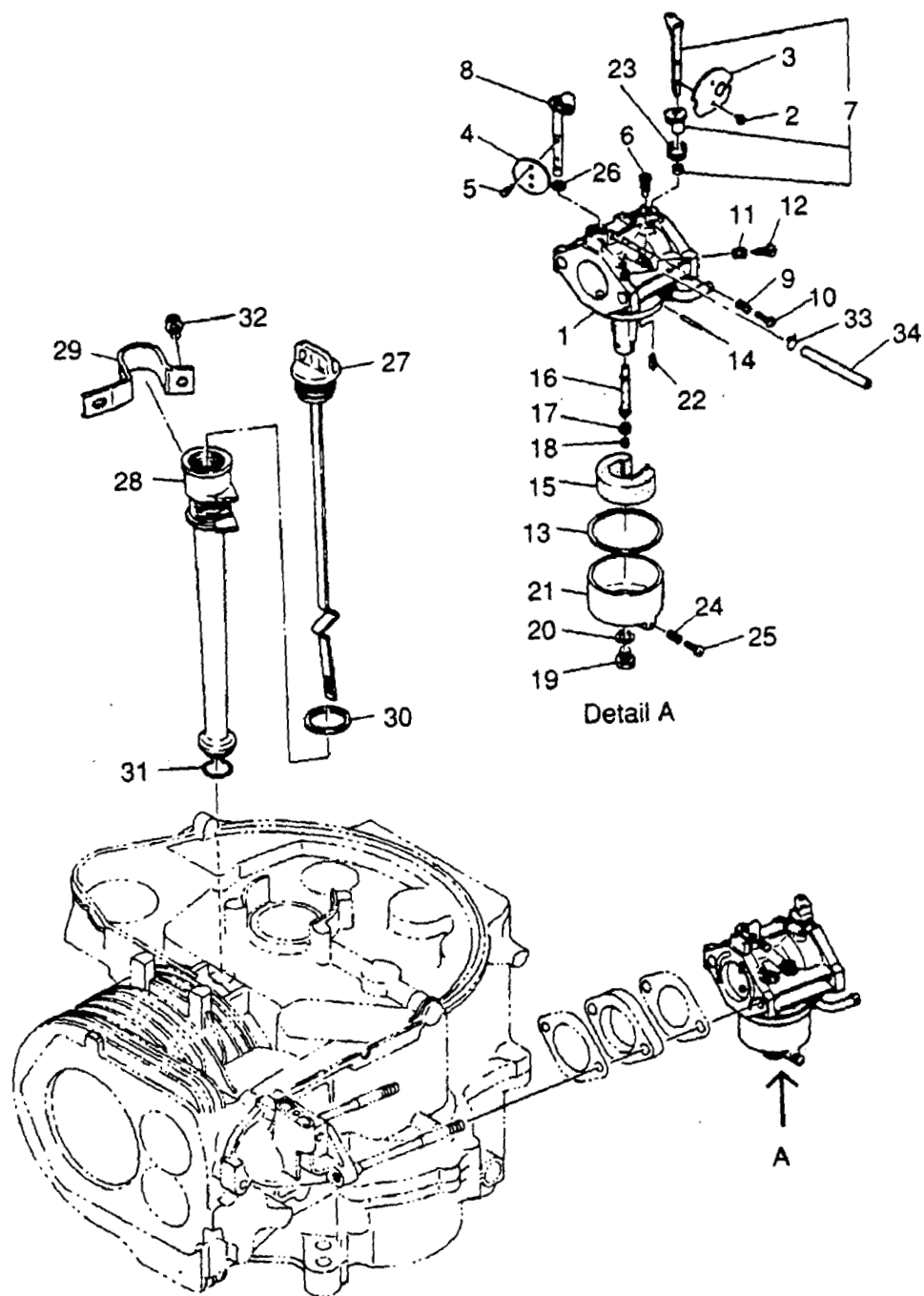
Not serviced separately.



Air Shroud and Recoil Start

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 52111 11	Air shroud	1
2	_____	Label, spec	1
3	EY235 52601 01	Head cover	1
4	EY235 52702 02	Cylinder baffle	1
5	EY073 20034 10	Label, warning	1
6	EY011 00600 20	Flange bolt	7
7	EY011 00600 10	Flange bolt	6
—	EY235 50113 00	Recoil starter (includes 8 - 21)	1
8	_____	Cover, recoil starter	1
9	EY133 50115 08	Spiral spring	1
10	EY235 50120 08	Reel	1
11	EY207 50110 08	Starter rope	1
12	EY235 50101 08	Handle	1
13	_____	Ratchet	2
14	EY209 50130 08	Friction spring	1
15	EY224 50135 08	Return spring	1
16	EY209 50140 08	Friction plate	1
17	EY224 50155 08	Thrust washer	1
18	EY209 50150 08	Thrust washer	1
19	EY129 50155 08	Spring washer	1
20	EY149 50152 08	Nut	1
21	EY235 50145 18	Starting pulley	1
22	EY001 65081 20	Bolt	3
	EY235 50103 07	Hardware kit (includes 13 - 20)	1

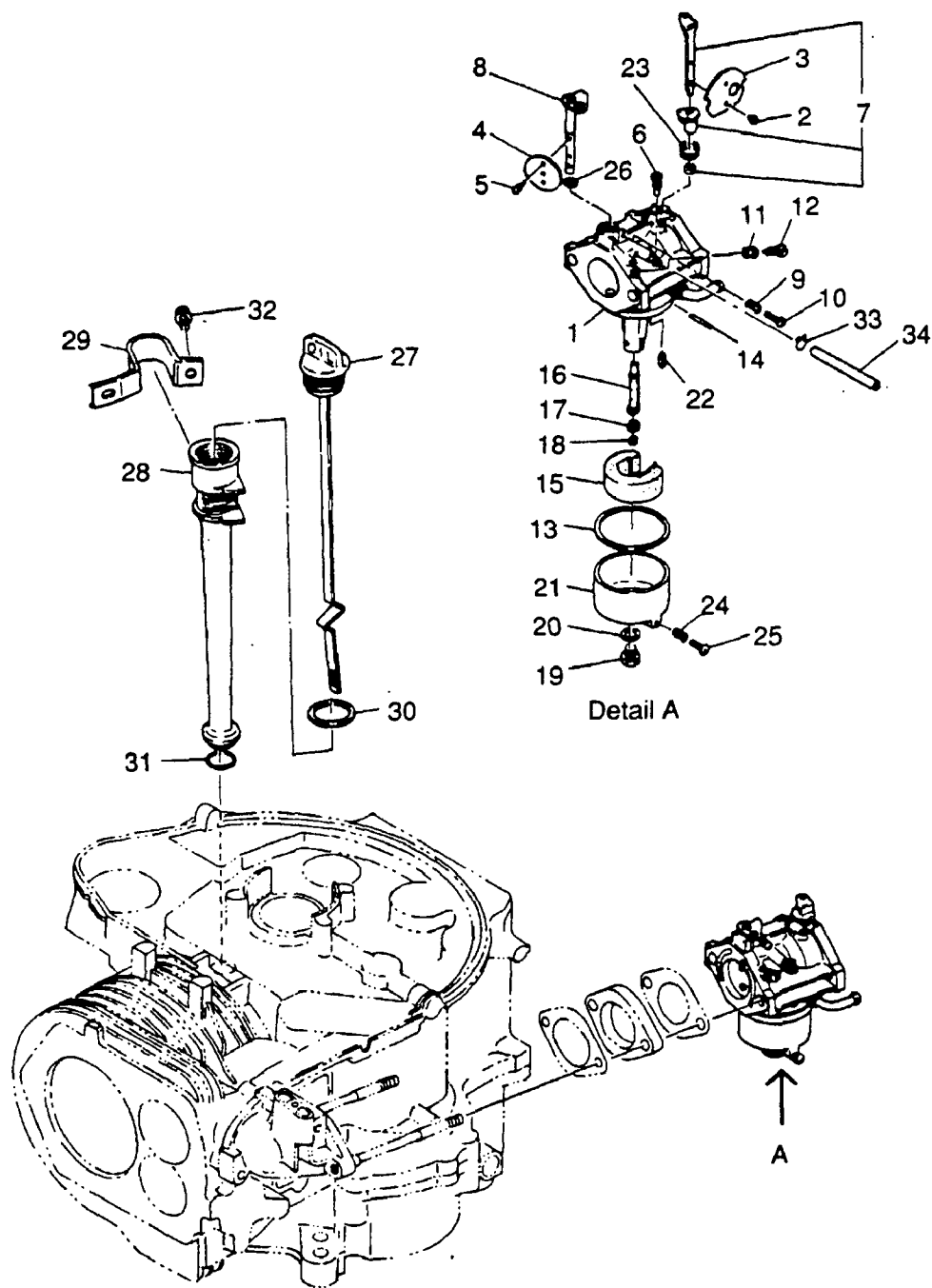
Not serviced separately.



Carburetor

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 62301 20	Carburetor ([specs 800443, 800468] includes 2 - 26)	1
—	EY235 62311 00	Carburetor [specs 800841, 800848]	1
2	EY226 62351 08	Screw assembly	2
3	EY235 62525 08	Choke valve	1
4	EY235 62535 08	Throttle valve	1
5	EY150 62356 08	Screw assembly	2
6	EY209 62306 08	Pilot jet	1
7	EY235 62522 08	Choke lever	1
8	EY235 62531 08	Throttle shaft assembly	1
9	EY210 62318 08	Spring	1
10	EY224 62452 08	Screw	1
11	EY235 62445 08	Pilot spring	1
12	EY111 62435 08	Pilot screw	1
13	EY206 62540 08	Packing	1
14	EY214 62515 08	Float pin	1
15	EY234 62505 08	Float assembly	1
16	EY235 62441 08	Main nozzle [specs 800443, 800468]	1
—	EY235 62442 08	Main nozzle [specs 800841, 800848]	1
17	EY235 62425 08	Guide holder	1
18	EY235 62401 08	Main jet	1
19	EY150 62358 08	Bolt	1
20	EY209 62345 08	Washer	1
21	EY234 62552 08	Float chamber body	1
22	EY224 62306 08	Needle valve assembly [spec 800443]	1

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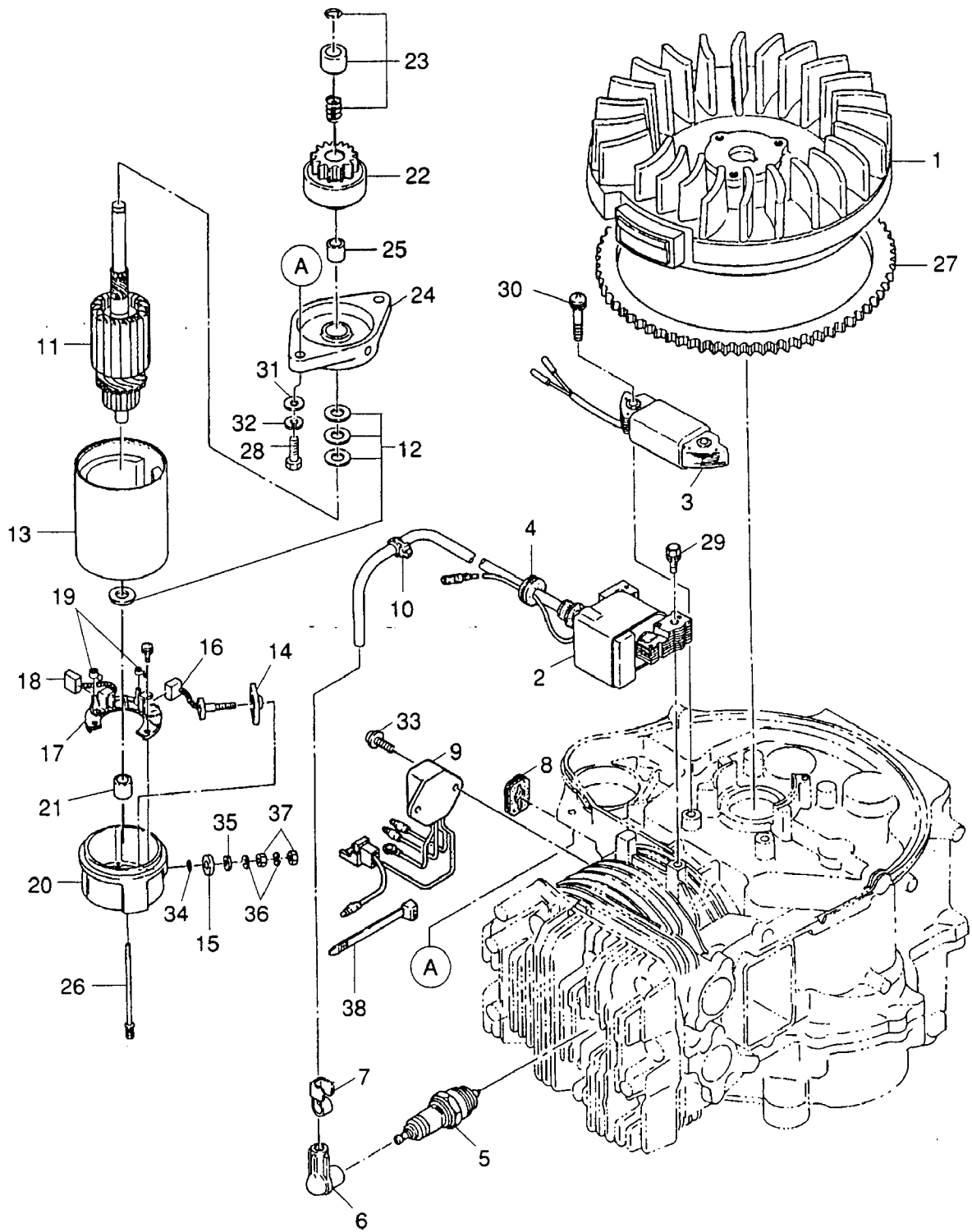
Carburetor (cont.)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
22 (cont.)			
—	EY224 62305 08	Needle valve assembly [specs 800468, 800841, 800848]	1
23	EY234 62452 08	Spring	1
24	EY210 62318 08	Spring	1
25	EY224 62450 08	Screw	1
26	EY106 62392 18	Seal	1
27	EY235 63601 11	*Dipstick [specs 800443, 800468]	1
—	EY235 63602 01	Dipstick [specs 800841, 800848]	1
28	EY235 63701 11	*Oil filler [specs 800443, 800468]	1
—	EY235 63702 01	Oil filler [specs 800841, 800848]	1
29	EY235 64502 03	Clamp, oil filler	1
30	EY021 32500 10	Gasket [specs 800443, 800468]	1
—	EY024 02200 10	O-ring [specs 800841, 800848]	1
31	EY024 01600 10	O-ring	1
32	EY011 00600 10	Flange bolt	2
33	EY235 62449 08	Clamp [specs 800443, 800468]	1
34	EY235 62448 08	Hose [specs 800443, 800468]	1
—	EY235 62306 07	**Carburetor repair kit (includes 4, 5, 20, 22, 26)	1
—	EY235 62305 07	***Carburetor gasket set [specs 800443, 800468]	1
—	EY235 62305 17	Carburetor gasket set [specs 800841, 800848]	1

*Upon depletion of stock, part no. EY235 63601 11 (dipstick) and part no. EY235 63701 11 (oil filler) will no longer be available. To service specs 800443 and 800468, order part no. EY235 63602 01 (dipstick) and part no. EY235 63702 01 (oil filler).

**Order needle valve EY224 62306 08 (along with repair kit) for spec 800443.

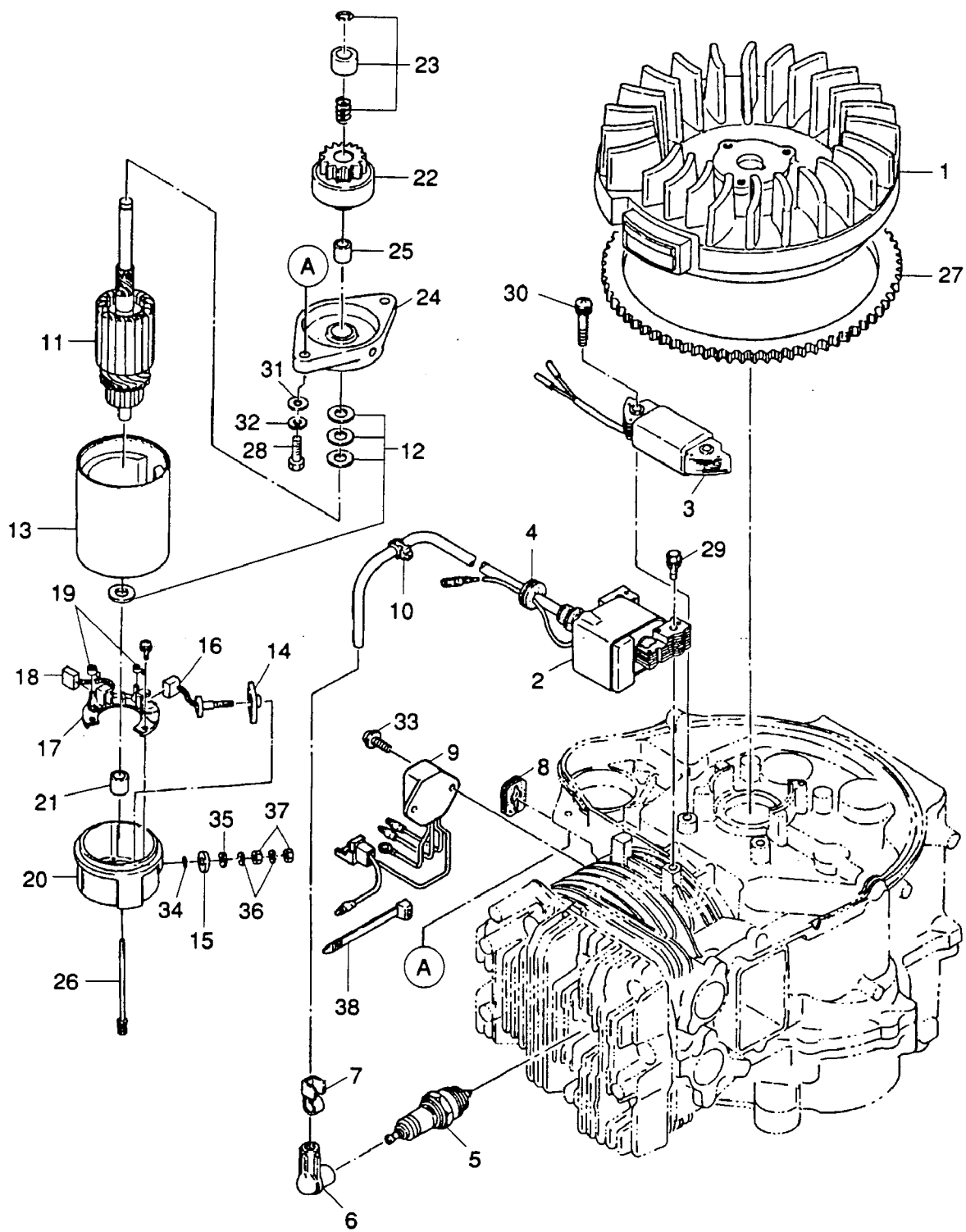
***Includes items 14, 15, 16, 17 and 24 from pages 10 - 12.



Flywheel and Ignition Coil

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	EY235 70122 08	Flywheel	1
2	EY235 70130 08	Ignition coil	1
3	EY235 70146 08	Charge coil	1
4	EY226 70245 08	Grommet	1
5	EY065 01414 90	Spark plug	1
6	EY230 75101 13	Cap, spark plug	1
7	EY065 50001 00	Cap, spark plug	1
8	EY224 75501 03	Grommet	1
9	EY235 71401 01	Diode rectifier [spec 800443]	1
—	EY235 71404 01	Diode rectifier [specs 800468, 800841 and 800848]	1
10	EY056 60001 90	Clamp	1
—	EY235 70501 00	Starting motor (includes 11 - 26, 34 - 37)	1
11	EY235 70550 08	Armature assembly	1
12	EY235 70555 08	Washer kit	1
13	EY235 70560 08	Yoke assembly	1
14	EY235 70565 08	Bushing	1
15	EY235 70566 08	Bushing	1
16	EY235 70535 08	Brush (+)	1
17	EY235 70530 08	Brush holder	1
18	EY235 70540 08	Brush (-)	1
19	EY235 70545 08	Spring, brush	2
20	EY235 70505 08	Rear cover assembly (includes item 21)	1
21	EY113 70510 08	Spacer, rear cover	1

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Flywheel and Ignition Coil (cont.)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
22	EY235 70520 08	Pinion assembly (includes item 23)	1
23	EY235 70570 08	Stopper set, pinion	1
24	EY235 70500 08	Front cover assembly (includes item 25)	1
25	EY214 70560 08	Spacer, front cover	1
26	EY235 70575 08	Through bolt	2
27	EY235 71002 03	Ring gear	1
28	EY214 79007 01	Bolt, starter	2
29	EY001 14063 00	Bolt and washer assembly	2
30	EY004 36062 50	Screw and washer assembly	2
31	EY003 10080 00	Washer	2
32	EY003 20080 00	Spring washer	2
33	EY011 00600 20	Flange bolt	2
34	EY235 70567 08	O-ring	1
35	EY003 11060 00	Washer	1
36	EY003 20060 00	Spring washer	2
37	EY002 27060 00	Nut	2
38	EY056 30000 20	Wire band	1